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OC STAFF COMMUNICATIONS DIVISION
Savings Through the Use of Computers

Savings accruing to OC-SCD and ultimately to the Agency through the use of computers are as follows:

a. Saved Positions:

CATRAN - (Cable Traffic Analysis) - A computer-based program for the treatment of management-oriented statistics relative to the operation of the Agency's communications system. The use of computers in the management analysis of our world-wide communications activity has resulted in a savings of 1500 manhours per year. The saved manhours are applied within the Staff Communications Division to other system operation requirements.

b. Assumption of heavier workload without increased number of people:

[] - (OCS support to OC's Communication Equipment Programming Activity) - Storage and selective retrieval of data related to the issue, installation, and use of non-expendable equipment. These programs have made possible our ability to handle a 150% increase in workload at Headquarters level without the necessity of requesting additional manpower, and has enabled us to standardize informational and reporting methods and procedures, thus making the data base more accurate and meaningful. This, in turn, leads to upgrading the effectiveness of our equipment programming effort.

c. Doing otherwise impossible things:

(1) DATACOM

25X1
(a) There are two UNIVAC 9300 systems and one UNIVAC 1004 system installed in [] These systems are used as data communications terminals to:

25X1
(1) Transmit and receive data in the form of cards, magnetic tapes, paper tapes, and/or page copy to and from [] foreign field stations.

(2) Serve as a small, temporary, store-and-forward data switch between the DD/S&T network stations and the OCS IBM-360 systems.

(3) Serve as a remote job entry to the IBM-360 systems allowing DD/S&T to upgrade and retrieve data from resident programs.

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(b) The types of data that the network processes and the time elements, plus the accuracy needed in the integrity of the data, makes it necessary that a data communications terminal of the UNIVAC 9300/1004 type be utilized. The data could not be processed manually or with conventional communications terminal gear.

(c) The benefits derived from the use of the data terminal gear include the capability to provide the customer with a fast and secure transmission in a machine language that he can further manipulate in larger data processing systems. Some DD/S&T projects require real-time data communications support available only through the use of data terminal equipment.

(2) PDP-8

This computer, installed, maintained and operated exclusively within the SCD environment, performs digital engineering functions related to high-speed mathematical calculations as well as design and analysis of components and assemblies. Its use obviates the necessity to procure about \$35,000 worth of complex test and instrumentation equipment, and enables us to simulate equipment interface systems which are otherwise very expensive or not readily available.

Category A-B-C

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